

Selected file: PLUSPAT

**** SS 1: Results 1**

1 / 1 PLUSPAT - @QUESTEL-ORBIT

PN - US6000374 A 19991214 [US6000374]
TI - (A) Multi-cycle, engine braking with positive power valve
actuation control system and process for using the same
PA - (A) DIESEL ENGINE RETARDERS INC (US)
IN - (A) COSMA GHEORGHE (US); USKO JAMES (US)
AP - US99761097 19971223 [1997US-0997610]
PR - US99761097 19971223 [1997US-0997610]
IC - (A) F02D-013/04
EC - F01L-013/00D6
F01L-013/06
F02D-013/04
PCL - ORIGINAL (O) : 123321000
DT - Corresponding document
CT - US3220392; US4572114; US4688384; US5117790; US5146890; US5150678;
US5183018; US5404851; US5406918; US5460131; US5477824; US5479890;
US5537976; US5586531; US5619965; US5626116; US5680841; US5692469;
US5724939; US5803038; US5816216; US5829397; US5839453
STG - (A) United States patent

AB - An apparatus and method for effectuating multi-cycle engine
braking is disclosed. The present invention controls the operation
of the engine valves to permit more than one compression release
event during a single engine operating cycle. The apparatus
includes an assembly for operating at least one exhaust valve of
an engine cylinder during a positive power operation. The
apparatus further includes an assembly for operating at least one
intake valve of the engine cylinder. The apparatus further
including an assembly for operating the at least one exhaust valve
during an engine braking operation.

1 / 1 LGST - @LEGSTAT

PN - US 6000374 [US6000374]
AP - US 997610/97 19971223 [1997US-0997610]
DT - US-P
ACT - 19971223 US/AE-A
APPLICATION DATA (PATENT)
US 997610/97 19971223 [1997US-0997610]

19991214 US/A
PATENT
UP - 2000-04

1 / 1 CRXX - @CLAIMS/RRX

PN - 6,000,374 A 19991214 [US6000374]
PA - Diesel Engine Retarders Inc
ACT - 20011213 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020402
REISSUE REQUEST NUMBER: 10/013988
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3747

Reissue Patent Number:

1 / 1 PAST - @Thomson Derwent
AN - 200214-001619
PN - 6000374 A [US6000374]
OG - 2002-04-02
ACT - REISSUE APPLICATION FILED

Selected file: INPADOC

**** SS 1: Results 4**

1 / 4 INPADOC - @INPADOC
PN - EP 1042598 A1 20001011 [EP1042598]
TI - ENGINE BRAKING WITH POSITIVE POWER VALVE ACTUATION
LA - ENG
IN - COSMA GHEORGHE [US]; USKO JAMES N [US]
PA - DIESEL ENGINE RETARDERS INC [US]
AP - EP 98961859/98-A 19981202 [1998EP-0961859]
PR - WO 9825502/98(US)-W 19981202 [1998WO-US25502]
US 997610/97-A 19971223 [1997US-0997610]
IC - F02D-013/04
DS - DE* FR* GB* IT*

1 / 1 LEGALI - @LEGSTAT
PN - EP 1042598 [EP1042598]
AP - EP 98961859/98 19981202 [1998EP-0961859]
DT - EP-P
ACTE - 19981202 EP/AE-A
EP-APPLICATION
EP 98961859/98 19981202 [1998EP-0961859]

20001011 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
REPORT:
DE FR GB IT

20001011 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

20001011 EP/17P [+]
REQUEST FOR EXAMINATION FILED
20000724
UP - 2000-41

2 / 4 INPADOC - @INPADOC
PN - JP 2001527182 T2 20011225 [JP2001527182]
AP - JP 2000525673/00-A 19981202 [2000JP-0525673]
PR - US 997610/97-A 19971223 [1997US-0997610]
WO 9825502/98(US)-W 19981202 [1998WO-US25502]
IC - F02D-013/04; F01L-013/06; F02D-013/02

3 / 4 INPADOC - @INPADOC
PN - US 6000374 A 19991214 [US6000374]
TI - MULTI-CYCLE, ENGINE BRAKING WITH POSITIVE POWER VALVE ACTUATION
CONTROL SYSTEM AND PROCESS FOR USING THE SAME
IN - COSMA GHEORGHE [US]; USKO JAMES [US]
PA - DIESEL ENGINE RETARDERS INC [US]

AP - US 997610/97-A 19971223 [1997US-0997610]
PR - US 997610/97-A 19971223 [1997US-0997610]
IC - F02D-013/04

1 / 1 LEGALI - @LEGSTAT
PN - US 6000374 [US6000374]
AP - US 997610/97 19971223 [1997US-0997610]
DT - US-P
ACTE - 19971223 US/AE-A
APPLICATION DATA (PATENT)
US 997610/97 19971223 [1997US-0997610]

19991214 US/A
PATENT
UP - 2000-04

4 / 4 INPADOC - @INPADOC
PN - WO 9932773 A1 19990701 [WO9932773]
TI - ENGINE BRAKING WITH POSITIVE POWER VALVE ACTUATION
LA - ENG
IN - COSMA GHEORGHE; USKO JAMES N
PA - DIESEL ENGINE RETARDERS INC [US]
AP - WO US 9825502/98(US)-A 19981202 [1998WO-US25502]
PR - US 997610/97-A 19971223 [1997US-0997610]
IC - F02D-013/04
DS - JP* KR* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 3 LEGALI - @LEGSTAT
PN - JP 525673/2000
AP - JP 525673/2000 0 [2000JP-0525673]
DT - JP-A
ACTE - 20000623 JP/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9932773> WO9932773
UP - 2002-09

2 / 3 LEGALI - @LEGSTAT
PN - KR 2000707067 [KR2000707067]
AP - KR 2000707067 - [2000KR-0707067]
DT - KR-A
ACTE - 20000623 KR/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9932773> [WO9932773]
UP - 2001-39

3 / 3 LEGALI - @LEGSTAT
PN - WO 9932773 [WO9932773]
AP - WO 9825502/98(US) 19981202 [1998WO-US25502]
DT - WO-P
ACTE - 19981202 WO/AE-A
APPLICATION DATA
WO 9825502/98(US) 19981202 [1998WO-US25502]

19990701 WO/AK-A1 [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH
REPORT
JP KR

19990701 WO/AL-A1 [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED
APPLICATION WITH SEARCH REPORT
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19990701 WO/A1 [+]
PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE
INTERNATIONAL SEARCH REPORT

19990901 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN
THIS APPLICATION

19990916 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF
19TH MONTH FROM PRIORITY DATE

20000623 WO/ENP-A
ENTRY INTO THE NATIONAL PHASE IN:
<JP 00525673>

20000623 WO/ENP-A
ENTRY INTO THE NATIONAL PHASE IN:
<KR 002000707067>

UP - 2002-09

Session finished: 06 MAY 2002 Time 16:37:19